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- (56) Documents cited by ISA
  GB 2186592 A EP 0374510 A EP 0355067 A
  WO 90/00902 A
  The Journal of Infectious Diseases, volume 1-12 159,
  no. 6, June 1989, Pages 1073-1082.
  J. Clin. Invest, Volume 81, no. 6, June 1988,
  1-12 pages 1925-1937.
- (58) Field of search by ISA INT CL<sup>5</sup> A61K

## (54) Pharmaceutical product for the treatment of sepsis

(57) An antibody to tumour necrosis factor-α (anti-TNF) and an antibody to bacterial lipopolysaccharide (anti-LPS) used together in a neutropenic rat model of sepsis are shown to enhance survival of the rats relatives to either antibody used alone. Pharmaceutical products including each of the components are therefore of utility in therapy of sepsis. The anti-LPS antibody included may be specific for the O-specific chain of a particular bacterial lipopolysaccharide (serotype specific antibody) but preferably recognises the core glycolipid of lipopolysaccharide.